

# PRACTICE PASSAGES (TEACHER GUIDE)

## SHARK WEEK

1. The best answer is **B** because this is the only fin in the answer choices that is located on the trunk of the shark.

It is not **A** because this fin is part of the tail. It is not **C** because this is not a fin. It is not **D** because this fin is located on the tail.

2. The best answer is **D** because the passage mentions sensory organs being part of the head.

It is not **A** because the tail is used to propel the shark, not for sensing. It is not **B** because the gills are not one of the three body parts. It is not **C** because the passage states the trunk houses the internal organs.

3. The best answer is **C** because Table 1 mentions that the caudal fin propels the shark forward.

It is not **A** because the gills are not related to movement. It is not **B** because the shark's mouth does not determine the direction of the shark's swimming. It is not **D** because the size of the trunk would not influence direction for a shark.

4. The best answer is **A** because the passage mentions reduction of friction for faster swimming, which likely inspired the swimwear since Table 2 mentions the intention of the swimwear was improved performance.

It is not **B** because muscles would not have inspired swimwear. It is not **C** because staying still would not inspire designing something for speed in the water. It is not **D** because while tracking prey may be related to speed, it is not the best choice for why the swimwear would be designed as it is.

5. The best answer is **B** because Table 1 mentions the purpose of the gills is to extract oxygen.

It is not **A** because the dorsal fin does not have anything to do with oxygen consumption. It is not **C** or **D** because the mouth and nostrils are not used by the shark to extract oxygen from the water as described in Table; however, students might think they are, as we breathe through our noses and mouths.

6. The best answer is **C** because the question mentions that the special scales discourage microbe growth, which would inspire a film that would be antibacterial and discourage germ growth.

It is not **A** because while a shark's skin may have a large surface area it would not be a factor in inspiring a glue stick. It is not **B** or **D** because while its skin may protect the shark, it does not protect it in the same way an umbrella would protect someone from the rain or a helmet would protect someone in the military.

7. The best answer is **A** because based on the diagram, the dorsal fins are located on the back or top of the shark.

It is not **B** because while the first dorsal fin is tall, the second dorsal fin is short. It is not **C** because the diagram shows the dorsal fins are not located on the stomach or bottom of the shark. It is not **D** because while the second dorsal fin is short, the first dorsal fin is tall.

### WHICH WAY DO I GROW?

1. The best answer is **A** because it states in the passage that the same type of plant was used.

It is not **B** due to this being the element manipulated in the experiment. It is not **C** or **D** because these are not controlled by the student in this experiment.

2. The best answer is **C** because this plant is getting indirect light, which could inhibit photosynthesis in the lower leaves.

It is not **A** as this is in the lower leaves, further from the bulb. It is not **B** and **D** because these assumptions are addressed in the passage.

3. The best answer is **D**, as the total area of the plant was larger for the indirect light condition.

It is not **A** because while it is the tallest, the student's hypothesis was which would grow largest in area. It is not **B** because this answer does not match the data gathered. Likewise, it is not **C** because while this is true, this is just width and not area.

4. The best answer is **B** since all other conditions are the same for each plant.

It is not **A**, **C**, or **D** as the passage explicitly states that all other conditions are the same.

5. The best answer is **A**, as they have added another variable that does not correspond with their hypothesis.

It is not **B**, as the soil choice has not been tested. It is not **C**, as this was not addressed. Likewise, it is not **D**, as there was a mistake introducing a second variable.

6. The best answer is **C** because this follows the pattern from the Table of the medium-light plant growing 2 cm. every two weeks.

It is not **A** or **B** as these do not match the data in the table. It is not **D** because, while we do not know for sure how tall it will grow, we can make an educated guess.